

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number
WO 2005/073613 A1

(51) International Patent Classification⁷: F16L 37/098

(21) International Application Number:
PCT/NO2005/000034

(22) International Filing Date: 28 January 2005 (28.01.2005)

(25) Filing Language: Norwegian

(26) Publication Language: English

(30) Priority Data:
20040441 30 January 2004 (30.01.2004) NO

(71) Applicant (for all designated States except US): RAU-FOSS UNITED AS [NO/NO]; P.O.Box 21, N-2831 RAU-FOSS (NO).

(72) Inventors; and

(75) Inventors/Applicants (for US only): PEDERSEN, Egil [NO/NO]; Framstadbakken 39, N-2830 RAUFOSS (NO). DALE, Kristoffer [NO/NO]; Øijordsv. 4B, N-2608 LILLEHAMMER (NO). SANGRO, Jan, Erik [NO/NO]; Karjolvn. 38, N-2319 HAMAR (NO).

(74) Agents: ONSAGERS AS et al.; P.O.Box 6963, St. Olavs plass, N-0130 OSLO (NO).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

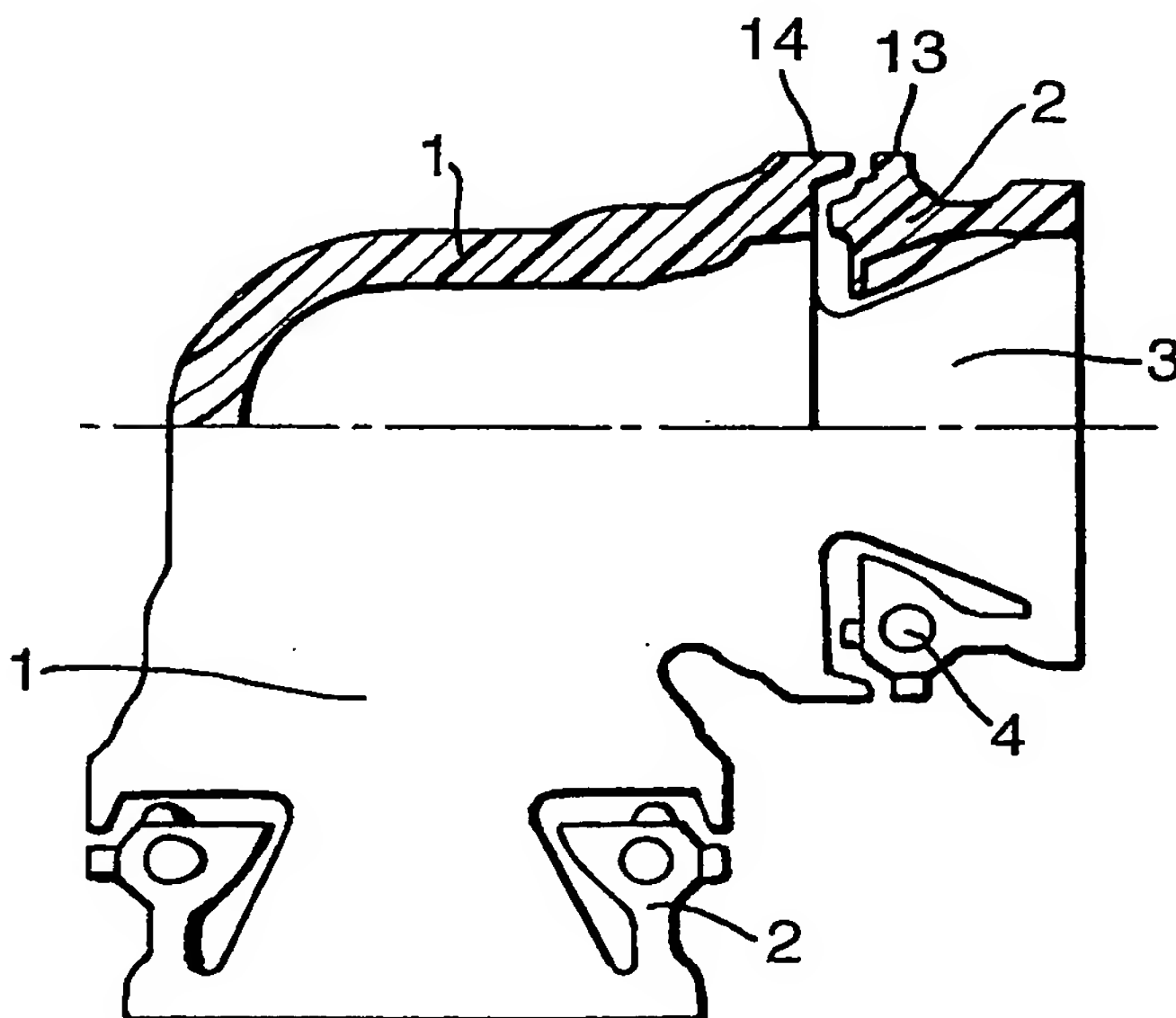
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CONNECTOR WITH RELEASE MECHANISM



(57) Abstract: A connector for use in a system for flowing fluid, having at least one cup-shaped female part (1), in which an adapted male part (8) on another connector is intended to be sealingly and securely mounted, wherein the female part (1) has integral longitudinal locking tangs (2) which have their free ends pointing in the direction of insertion of a male part (8) into the female part, the free ends of the locking tangs projecting into the space in the female part for engaging with a male part, and wherein the locking tangs (2) having engaging means (4, 15) which can be used by a tool to urge the locking tangs (2) apart so that the male part (8) and the female part (1) can be disengaged from one another. The engaging means (4, 15) may be holes or recesses, or alternatively projections or lugs.